

WHAT IS CLAIMED IS:

1. A respirator product comprising:

an electric component;

a breathing connection;

a breathing gas source, which can be connected to the breathing connection; and

5 an electric connecting means in the connection area between the breathing connection and
the breathing gas source for connection with the electric component.

2. A respirator product in accordance with claim 1, wherein the electric component is one
of a measuring system, a monitoring system, a display, a telemetry system or an electrically
heatable foil.

3. A respirator product in accordance with claim 1, wherein said breathing connection is
arranged at a gas mask, a hood or a gas mask combined with a safety helmet.

4. A respirator product in accordance with claim 1, wherein said breathing gas source is a
flexible breathing gas tube or a demand oxygen system.

5. A respirator product in accordance with claim 1, wherein the electric connection means
transmits electric supply voltages and data.

6. A respirator product in accordance with claim 1, wherein the electric connection means provides a contactless connection in the form of an inductive coupling.

7. A breathing product comprising:

an electrical control;

an electric component;

a breathing connection;

5 a breathing gas source connected to the breathing connection; and

an electric connecting means in the connection area between the breathing connection and the breathing gas source for operative connection of said electric control with said electric component.

8. A breathing product in accordance with claim 7, wherein the electric component is one of a measuring system, a monitoring system, a display, a telemetry system or an electrically heatable foil.

9. A breathing product in accordance with claim 7, wherein said breathing connection is arranged at a gas mask, a hood or a gas mask combined with a safety helmet.

10. A breathing product in accordance with claim 7, wherein said breathing gas source is a flexible breathing gas tube or a demand oxygen system.

11. A breathing product in accordance with claim 7, wherein the electric connection means transmits electric supply voltages and data.

12. A breathing product in accordance with claim 7, wherein the electric connection means provides a contactless connection in the form of an inductive coupling.

13. A breathing product comprising:

a control unit;

an electric component; and

a releaseable inductive coupling between said control unit and said electric connection.

14. A breathing product in accordance with claim 13, further comprising:

a breathing connection;

a breathing gas source, which can be connected to the breathing connection in a connection area between the breathing connection and the breathing gas source, said releaseable
5 inductive coupling being provided in said connection area.

15. A breathing product in accordance with claim 13, wherein the electric component is one of a measuring system, a monitoring system, a display, a telemetry system or an electrically heatable foil.

16. A breathing product in accordance with claim 13, wherein said breathing connection

is arranged at a gas mask, a hood or a gas mask combined with a safety helmet.

**17. A breathing product in accordance with claim 13, wherein said breathing gas source is
a flexible breathing gas tube or a demand oxygen system.**

**18. A breathing product in accordance with claim 13, wherein the electric connection
means transmits electric supply voltages and data.**